

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Spring 2012 Levee Inspection Results****Reclamation District No. 2101 Blewett**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2012 Levee Inspection Results

Reclamation District No. 2101 Blewett

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Left	3.20
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	5/2/2012 - 5/2/2012			
DWR Inspector	Max Khashchuk			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2101 Blewett

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River				Left	3.20	05/02/2012 05/02/2012	Max Khashchuk

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1			Earthen Levee	Operations & Maintenance Manuals	LS	A Ma		°	°	2
DWR ID: DWR_RD2101_01_s_2012_2										
2			Earthen Levee	Emergency Supplies & Equipment	LS	A Ma		°	°	4
DWR ID: DWR_RD2101_01_s_2012_4										
3			Earthen Levee	Flood Preparedness & Training	LS	A Ma		°	°	5
DWR ID: DWR_RD2101_01_s_2012_5										
4	0.04	0.04	Earthen Levee	Vegetation	LS	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	37.657753 ° -121.253873 °	37.657753 ° -121.253873 °	8
DWR ID: DWR_RD2101_01_s_2012_8										
5	0.04	0.04	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.657648 ° -121.253812 °	37.657648 ° -121.253812 °	12 Y
DWR ID: DWR_RD2101_01_s_2012_12										
6	0.16	0.16	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.656827 ° -121.252150 °	37.656827 ° -121.252150 °	19
DWR ID: DWR_RD2101_01_s_2012_19										
7	0.17	0.17	Earthen Levee	Animal Control	CR	C Ma	A1 : Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: 05/26/2011 Rodents are visible in newly harvested field, burrows are not visible because of vegetation growth on the slopes.	37.656892 ° -121.252109 °	37.656892 ° -121.252109 °	948
DWR ID: DWR_RD2101_01_s_2012_948										
8	0.19	0.19	Earthen Levee	Encroachments	CR A/W	PI : Pipe Ma		37.657128 ° -121.251692 °	37.657128 ° -121.251692 °	7 Y
DWR ID: DWR_RD2101_01_s_2012_7										
9	0.19	0.30	Earthen Levee	Encroachments	LS	M En	AD : Agricultural Ditch	37.657028 ° -121.251817 °	37.658001 ° -121.250269 °	6
DWR ID: DWR_RD2101_01_s_2012_6										
10	0.34	0.34	Earthen Levee	Encroachments	LS	M Ma	PR : Prunings Inspector Comments: Pile of branches at toe of levee.	37.658265 ° -121.249640 °	37.658265 ° -121.249640 °	20
DWR ID: DWR_RD2101_01_s_2012_20										
11	0.73	0.73	Earthen Levee	Vegetation	WS	C Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Wild Rose has been trimmed back some.	37.659856 ° -121.243806 °	37.659856 ° -121.243806 °	9
DWR ID: DWR_RD2101_01_s_2012_9										
12	0.76	1.80	Earthen Levee	Encroachments	LS	M En	AD : Agricultural Ditch	37.659827 ° -121.243675 °	37.651049 ° -121.231475 °	944 Y
DWR ID: DWR_RD2101_01_s_2012_944										
13	0.76	0.76	Earthen Levee	Trim / Thin Trees	WS	C Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight.	37.659723 ° -121.243384 °	37.659723 ° -121.243384 °	10
DWR ID: DWR_RD2101_01_s_2012_10										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2101 Blewett

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River						Left	3.20	05/02/2012 05/02/2012	Max Khashchuk

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
14	0.80	0.80	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.659302 ° -121.242875 °	37.659302 ° -121.242875 °	22 Y
DWR ID: DWR_RD2101_01_s_2012_22										
15	0.86	0.86	Earthen Levee	Trim / Thin Trees	WS	C Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight.	37.658733 ° -121.241944 °	37.658733 ° -121.241944 °	11 Y
DWR ID: DWR_RD2101_01_s_2012_11										
16	0.88	0.88	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.658663 ° -121.241750 °	37.658663 ° -121.241750 °	3 Y
DWR ID: DWR_RD2101_01_s_2012_3										
17	1.03	2.74	Earthen Levee	Vegetation	LS	C Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Waterside has been cleared to criteria, landside still needs to be worked on.	37.656771 ° -121.241083 °	37.642043 ° -121.229782 °	15
DWR ID: DWR_RD2101_01_s_2012_15										
18	1.09	1.09	Earthen Levee	Trim / Thin Trees	WS	M Ma	T1 : Trim trees to at least five feet above ground level.	37.655688 ° -121.241202 °	37.655688 ° -121.241202 °	23
DWR ID: DWR_RD2101_01_s_2012_23										
19	1.35	1.35	Earthen Levee	Vegetation	WS	C Ma	V4 : Elderberries are blocking visibility and flood fight capability.	37.653066 ° -121.238162 °	37.653066 ° -121.238162 °	951
DWR ID: DWR_RD2101_01_s_2012_951										
20	1.49	2.74	Earthen Levee	Vegetation	WS	C Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Crews are on site but have not reached this point yet.	37.651905 ° -121.236360 °	37.642043 ° -121.229781 °	16
DWR ID: DWR_RD2101_01_s_2012_16										
21	1.61	1.61	Earthen Levee	Encroachments	WSA/W	Ma	PI : Pipe Inspector Comments: Pipe penetrates through levee. Closure valve on water side slope.	37.651552 ° -121.234346 °	37.651552 ° -121.234346 °	13 Y
DWR ID: DWR_RD2101_01_s_2012_13										
22	1.62	1.84	Earthen Levee	Trim / Thin Trees	WS	C Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight.	37.651574 ° -121.234326 °	37.650748 ° -121.230342 °	26
DWR ID: DWR_RD2101_01_s_2012_26										
23	1.63	1.63	Earthen Levee	Encroachments	LS	M En	PO : Poles	37.651555 ° -121.234061 °	37.651555 ° -121.234061 °	14
DWR ID: DWR_RD2101_01_s_2012_14										

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.20	05/02/2012 05/02/2012	Max Khashchuk

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
24	1.91	2.00	Supplemental	DWR Erosion Survey	WS	U Ma	Inspector Comments: 08/18/2011: Erosion progressed significantly during the past flood season. The levee toe along the erosion site was washed away, and the erosion has cut the levee structure up to the point about 1/3 of the levee slope. The scarp height is approximately 17 feet. Very dense vegetation on the site. Trees visible. 10/19/2010: No significant changes observed on site. Remaining levee berm topsoil is of silty sand mixture. Erosion is near the downstream transition. An eddy has formed, and has scoured away a 100-foot section of the bank, possibly encroaching into the levee prism. Vegetation on site includes willows, oak, and cotton wood located from the bench to the toe. On the landside are rows of corn crop. 08/05/2010: Recommended for Repair, per CLRO. 2009: Site recommended as annual assessment and monitoring if critical erosion site, per CLRO CES Evaluation 2008 Report; an eddy has formed, eroding bank and intruding into the levee prism; Site # is the same as RM76.3, LM1.89; previously rated "U". 08/30/2007: Recommended for short list of immediate repair sites; silty sand levee material. [2011 Site ID: RD2101U01RM73.92]	37.650259 ° -121.228961 °	37.650259 ° -121.228961 °	1 Y
DWR ID: DWR_RD2101_01_s_2012_1										
25	2.06	2.06	Earthen Levee	Animal Control	CR	C Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.649382 ° -121.226997 °	37.649382 ° -121.226997 °	955 Y
DWR ID: DWR_RD2101_01_s_2012_955										
26	2.39	2.39	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.645785 ° -121.226337 °	37.645785 ° -121.226337 °	30 Y
DWR ID: DWR_RD2101_01_s_2012_30										
27	2.74	2.74	Earthen Levee	Encroachments	WSA/W	PI : Pipe Ma		37.642005 ° -121.229742 °	37.642005 ° -121.229742 °	21 Y
DWR ID: DWR_RD2101_01_s_2012_21										
28	2.88	2.88	Earthen Levee	Animal Control	WS	U Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Active burrows with squirrels observed. Burrows on both sides of levee.	37.640305 ° -121.230095 °	37.640305 ° -121.230095 °	27 Y
DWR ID: DWR_RD2101_01_s_2012_27										
29	2.89	2.89	Earthen Levee	Encroachments	WSA/W	PI : Pipe Ma		37.640133 ° -121.230037 °	37.640133 ° -121.230037 °	25 Y
DWR ID: DWR_RD2101_01_s_2012_25										
30	2.89	2.89	Earthen Levee	Animal Control	LS	U Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Numerous rodent holes throughout levee slope.	37.640134 ° -121.230019 °	37.640134 ° -121.230019 °	28 Y
DWR ID: DWR_RD2101_01_s_2012_28										
31	2.91	2.91	Earthen Levee	Erosion / Bank Caving	WS	M Ma	E2 : Schedule repair of erosion site prior to the next inspection.	37.639852 ° -121.229980 °	37.639852 ° -121.229980 °	29 Y
DWR ID: DWR_RD2101_01_s_2012_29										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2101 Blewett

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River						Left	3.20	05/02/2012 05/02/2012	Max Khashchuk

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
32	2.91	2.91	Earthen Levee	Encroachments	WSA/W Ma	PI : Pipe Inspector Comments: Flap gates open.		37.639824 ° -121.230005 °	37.639824 ° -121.230005 °	24 Y
								DWR ID: DWR_RD2101_01_s_2012_24		
33	3.02	3.20	Earthen Levee	Animal Control	LS Ma	U	Inspector Comments: Active burrows with rodents present.	37.638760 ° -121.231341 °	37.638760 ° -121.231341 °	17 Y
								DWR ID: DWR_RD2101_01_s_2012_17		
34	3.11	3.11	Earthen Levee	Animal Control	CR Ma	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Large burrow in crown with rodents present.	37.637943 ° -121.232620 °	37.637943 ° -121.232620 °	18 Y
								DWR ID: DWR_RD2101_01_s_2012_18		

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.20	05/02/2012 05/02/2012	Max Khashchuk

Levee Mile Report Line	5
Start Levee Mile	0.04
End Levee Mile	0.04
Location	Water Side
Category	Earthen Levee
Item	Animal Control

View of rodent holes on waterward slope, facing upstream.

mkhashch_s_20120510_069.jpg



Levee Mile Report Line	8
Start Levee Mile	0.19
End Levee Mile	0.19
Location	Crown
Category	Earthen Levee
Item	Encroachments

Drainage discharge under levee crown.

mkhashch_s_20120501_006.jpg



Levee Mile Report Line	12
Start Levee Mile	0.76
End Levee Mile	1.80
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Concrete ditch near landside toe.

mkhashch_s_20120501_023.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.20	05/02/2012 05/02/2012	Max Khashchuk

Levee Mile Report Line	14
Start Levee Mile	0.80
End Levee Mile	0.80
Location	Land Side
Category	Earthen Levee
Item	Animal Control

View of levee material removed by rodent activity on landside slope facing downstream. 05/02/2012

mkhashch_s_20120510_070.jpg



Levee Mile Report Line	16
Start Levee Mile	0.88
End Levee Mile	0.88
Location	Land Side
Category	Earthen Levee
Item	Animal Control

11/02/2011 Active rodent burrow.

mkhashch_s_20120501_005.jpg



Levee Mile Report Line	21
Start Levee Mile	1.61
End Levee Mile	1.61
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Photo of pump in background and CMP riser with valve in foreground.

mkhashch_s_20120501_007.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.20	05/02/2012 05/02/2012	Max Khashchuk

Levee Mile Report Line	24
Start Levee Mile	1.91
End Levee Mile	2.00
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Looking upstream from levee top. The tree at the water edge is the visible starting point of the erosion.

mkhashch_s_20120501_001.jpg



Levee Mile Report Line	24
Start Levee Mile	1.91
End Levee Mile	2.00
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

A close look at the erosion. The viewing point is about half of the levee slope.

mkhashch_s_20120501_002.jpg



Levee Mile Report Line	24
Start Levee Mile	1.91
End Levee Mile	2.00
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Looking downstream at the scour site. The erosion has developed to about 1/3 of the levee slope. The levee toe has been washed away.

mkhashch_s_20120501_003.jpg



*** Location**

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+ Issue Type

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.20	05/02/2012 05/02/2012	Max Khashchuk

Levee Mile Report Line	24
Start Levee Mile	1.91
End Levee Mile	2.00
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Looking upstream at the scour site. The dense vegetation visible.

mkhashch_s_20120501_004.jpg



Levee Mile Report Line	26
Start Levee Mile	2.39
End Levee Mile	2.39
Location	Land Side
Category	Earthen Levee
Item	Animal Control

View of levee material removed by rodent activity on landside slope, facing upstream. 05/02/2012

mkhashch_s_20120510_071.jpg



Levee Mile Report Line	27
Start Levee Mile	2.74
End Levee Mile	2.74
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Irrigation intake near Maze Blvd.

mkhashch_s_20120501_014.jpg



*** Location**

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+ Issue Type

Ma : Maintenance Deficiency
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.20	05/02/2012 05/02/2012	Max Khashchuk

Levee Mile Report Line	28
Start Levee Mile	2.88
End Levee Mile	2.88
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Rodent holes on levee slope hidden by vegetation.

mkhashch_s_20120501_018.jpg



Levee Mile Report Line	29
Start Levee Mile	2.89
End Levee Mile	2.89
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Risers on waterside berm and risers along road leading to levee indicate presence of pipe penetration.

mkhashch_s_20120501_016.jpg



Levee Mile Report Line	30
Start Levee Mile	2.89
End Levee Mile	2.89
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Rodent holes on levee slope.

mkhashch_s_20120501_019.jpg



*** Location**

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WS : Water Side
CR : Crown

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A/W : Acceptable but Monitor & Maintain

+ Issue Type

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**Flood Control Project Maintenance
Levee Inspections**

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.20	05/02/2012 05/02/2012	Max Khashchuk

Levee Mile Report Line	30
Start Levee Mile	2.89
End Levee Mile	2.89
Location	Land Side
Category	Earthen Levee
Item	Animal Control

05/26/2011 Updated photo of animal control issue noted in Fall 2010 inspection, fresh rodent burrow present.

mkhashch_s_20120501_020.jpg



Levee Mile Report Line	30
Start Levee Mile	2.89
End Levee Mile	2.89
Location	Land Side
Category	Earthen Levee
Item	Animal Control

11/02/2011 Numerous burrows on levee slope.

mkhashch_s_20120501_021.jpg



Levee Mile Report Line	31
Start Levee Mile	2.91
End Levee Mile	2.91
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Levee slope is being eroded at this location. Repair needed to preserve access road.

mkhashch_s_20120501_022.jpg



*** Location**

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A/W : Acceptable but Monitor & Maintain

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.20	05/02/2012 05/02/2012	Max Khashchuk

Levee Mile Report Line	32
Start Levee Mile	2.91
End Levee Mile	2.91
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Drainage discharge to San Joaquin River.

mkhashch_s_20120501_015.jpg



Levee Mile Report Line	33
Start Levee Mile	3.02
End Levee Mile	3.20
Location	Land Side
Category	Earthen Levee
Item	Animal Control

11/02/2011 Numerous burrows present, some already caving in, others are active.

mkhashch_s_20120501_010.jpg



Levee Mile Report Line	33
Start Levee Mile	3.02
End Levee Mile	3.20
Location	Land Side
Category	Earthen Levee
Item	Animal Control

11/02/2011 Many active burrows present.

mkhashch_s_20120501_011.jpg



*** Location**

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Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.20	05/02/2012 05/02/2012	Max Khashchuk

Levee Mile Report Line	33
Start Levee Mile	3.02
End Levee Mile	3.20
Location	Land Side
Category	Earthen Levee
Item	Animal Control

11/02/2011 Many burrows present throughout the levee slope.

mkhashch_s_20120501_012.jpg



Levee Mile Report Line	34
Start Levee Mile	3.11
End Levee Mile	3.11
Location	Crown
Category	Earthen Levee
Item	Animal Control

11/02/2011 Large burrow in crown.

mkhashch_s_20120501_013.jpg



Levee Mile Report Line	34
Start Levee Mile	3.11
End Levee Mile	3.11
Location	Crown
Category	Earthen Levee
Item	Animal Control

05/02/2012 Rodent holes in the levee crown.

mkhashch_s_20120510_072.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2012 Levee Inspection Results

Reclamation District No. 2101 Blewett

Waterway			Bank	Unit Miles
Unit No. 02 San Joaquin River (Spur Levee)			Right	0.31
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	5/2/2012 - 5/2/2012			
DWR Inspector	Max Khashchuk			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2101 Blewett

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River (Spur Levee)						Right	0.31	05/02/2012 05/02/2012	Max Khashchuk

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.03	0.14	Earthen Levee	Vegetation	WS	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	37.660203 ° -121.243288 °	37.661662 ° -121.242820 °	1 Y
DWR ID: DWR_RD2101_02_s_2012_1										
2	0.31	0.31	Earthen Levee	Erosion / Bank Caving	WS	M Ma	E2 : Schedule repair of erosion site prior to the next inspection. Inspector Comments: At the end of this spur two rivers converge and due to past high water events a large scour hole has been formed. It is now filled in with vegetation. The next HW event could further scour this large hole. 05/26/2011 scour hole still present, no change.	37.663998 ° -121.242925 °	37.663998 ° -121.242925 °	2 Y
DWR ID: DWR_RD2101_02_s_2012_2										

*** Location**

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N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River (Spur Levee)	Right	0.31	05/02/2012 05/02/2012	Max Khashchuk

Levee Mile Report Line	1
Start Levee Mile	0.03
End Levee Mile	0.14
Location	Water Side
Category	Earthen Levee
Item	Vegetation

View of tall native grass on waterward slope, facing downstream. 05/02/2012

mkhashch_s_20120510_073.jpg



Levee Mile Report Line	2
Start Levee Mile	0.31
End Levee Mile	0.31
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

11/02/2011 Updated photo of the scouring occurring at the end of the spur levee.

mkhashch_s_20120501_024.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement